

**MEMORY LEAK DETECTION SYSTEM AND METHOD USING  
CONTINGENCY ANALYSIS**

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**ABSTRACT OF THE DISCLOSURE**

[0071] Systems, methods, apparatus and software can be implemented to detect memory leaks with relatively high confidence. By analyzing memory blocks stored in a memory, implicit and/or explicit contingency chains can be obtained. Analysis of these contingency chains identifies potential memory leaks, and subsequent verification confirms whether the potential memory leaks are memory leaks.